



CALL FOR PAPERS

Call for Papers: Issue 3/2017

Computational Mobility, Transportation, and Logistics

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1 Special Issue

Planning and control of modern mobility, transportation, and logistics services (MTL) requires adequate support by information systems. Recent examples from the area of shared mobility services show that many of these services have been enabled by innovative information systems. This is the focus of the BISE special issue on computational mobility, transportation, and logistics.

Thanks to the ubiquitous availability of mobile sensors in transportation and logistics applications, huge amounts of operational data on MTL have become available in recent years. These data need to be included in extended methods of planning and control. However, it is challenging to transform this vast amount of sensor data into information. In addition to well-known efficiency objectives such as minimizing costs or time of operation, objectives of reliability and sustainability can now be considered in the planning and control of MTL. Quantitative methods of planning and control need to be extended to process complex information and to enable more reliable, sustainable and efficient planning and realization of MTL.

This application-oriented special issue aims to shed a light on the modeling of innovative information systems for MTL. Of interest are quantitative methods of planning and control as well as applications of state-of-the-art data analysis procedures. Examples of innovative integrated information systems for single as well as for several modes are also welcome.

Further topics of interest include, but are not limited to the following areas:

- Planning, control and integration of MTL,
- Dynamic and robust planning and control,
- Business analytics for MTL,
- Revenue management systems and dynamic pricing,
- Innovative information, guide and payment systems,
- Solutions for public transportation systems,
- Transportation planning,
- Logistics networks and vehicle routing,
- Planning and control of shared mobility systems,
- Evaluation and simulation of MTL,
- Planning and control of intermodal MTL.

2 Submission

Authors are asked to submit their papers online under the category “BISE Computational Mobility” by 1 July 2016 via Springer’s submission system Editorial Manager (<http://www.editorialmanager.com/buis/>). All papers must follow the typing and formatting instructions for Business & Information Systems Engineering (BISE) available at <http://www.bise-journal.org>. In particular, manuscripts should not exceed 50,000 characters (discounting 5000 characters for each figure/table).

Submitted papers will undergo a double-blind review process and be refereed by at least three domain experts

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according to quality, originality, relevance, and scientific rigor.

3 Schedule

Paper submission due: 1 July 2016

Notification of authors: 26 August 2016

Revisions due: 28 October 2016

Notification of authors: 16 December 2016

Completion of a second revision (if needed): 20 January 2017

Anticipated publication date: June 2017